# SYMUM AHMED

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## SUMMARY

Graduated in Computer Science and Engineering with hands-on research experience and a successful thesis in AI-powered medical diagnostics. Eager to leverage my skills in machine learning and data analysis to contribute to innovative research. Aiming to deepen my technical expertise through dedicated mentorship and apply my knowledge to creating novel, data-driven solutions that solve real-world problems in Artificial Intelligence.

## WORK EXPERIENCE

**Research Engineer at AIMS LAB, IRIIC, UIU** **May 2024 - Nov 2024**

- Assisted in authoring an original research paper in an international conference.
- Completed a training program on AI-driven software development organized by CMED Health Ltd while working at AIMS Lab.

## EDUCATION

**Master of Science in Applied Statistics and Data Science** **May 2025 - Ongoing**
*Jahangirnagar University*

**Bachelor of Science in Computer Science and Engineering** **Jan 2019 - Oct 2023**
*BRAC University*

- CGPA: 3.05
- Thesis Field: Artificial Intelligence in Medical Diagnostics

**Higher Secondary Certificate** **Jul 2016 - Jul 2018**
*Notredame College, Dhaka*

- GPA 5.00
- Group: Science

**Secondary School Certificate** **Jan 2015 - Apr 2016**
*Khulna Zilla School, Khulna*

- GPA: 5.00
- Group: Science

## THESIS

**Medical Image Reader powered by Artificial Intelligence.**
- Researcher and Author.

- Found the problem and led a team of 5 to successfully develop a weight-based Deep Learning Model to predict diseases using medical images.
- Achieved ~94% of accuracy in predicting diseases from organs including kidney, brain etc.

## PUBLICATION

**Ahmed, S.**, Ayub, N. B., Zaman, M., Hossen, M. R., Gomes, C. A., Sarker, F., & Mamun, K. A. (2025). *Inclusive Digital Health Solution for Ensuring Employee Well-being, Women's Health, and Workplace Rights*. In *Proceedings of the International Conference on Gender and Technology (ICGT 2025): Beyond Boundaries—Gender, Tech and Transformative Change* (pp. 42–43). Amrita Vishwa Vidyapeetham, Kerala, India.

**Ahmed, S**., Palok, T. A., & Nahim, N. Z. (2025). Enhancing Diagnostic Accuracy in Multi-Modal Medical Imaging through Targeted Data Processing and Customized Ensemble Learning. In Proceedings of the 2025 4th IEEE International Conference on Robotics, Automation, Artificial-Intelligence and Internet-of-Things (RAAICON). Dhaka, Bangladesh. **(Presented, to be published in IEEE Xplore)**.

## CERTIFICATIONS AND TRAININGS

**Completed Training on Software Development.**

- Hire and Train program of the **Enhancing Digital Government and Economy (EDGE)** Project, Bangladesh Computer Council (BCC), ICT Division. (Serial No.: EDGE-HAT-6-0225-00018)

**Data Science Certificate Program**

- Completed a course on mastering Data Science from an online platform 'Ostad'. (Certificate ID: C12410)

**Statistical Data Analysis with R Programming**

- Completed a training on mastering R Programming from 'Datascape Academy'. (Certificate ID: DSACRP050104)

## SKILLS

- **Technical Skills:** Python (Pandas, Scikit-learn), Data Cleaning and Preprocessing. Data Visualization, Machine Learning Algorithms, Statistical Analysis, MS Word / Google Doc, MS Excel / Google Sheets, MS PowerPoint / Google Slides, Git, TensorFlow

- **Soft Skills:** Strong Communication Skills, Teamwork & Collaboration, Problem-Solving, Adaptability & Flexibility, Time Management, Critical Thinking, Initiative & Self-Motivation

## REFERENCES

- **Dr. Khondaker Abdullah -Al-Mamun**
  Director & Owner, AIMS LAB, IRIIC, United International University
  Professor, Department of CSE, United International University
  Email: director@iriic.uiu.ac.bd

- **Nabuat Zaman Nahim**
  Lecturer (Study-leave), Department of CSE, BRAC University
  Email: nabuat.zaman@bracu.ac.bd